

REVISION HISTORY SHEET

[illegible]

PREPARED : ISSUED : DATE :
CCR STDS GROUP 07/02/02

Technical Supply conditions for Decoupling Reactors.

- 1.0 The reactor terminals shall not be tinned.
- 2.0 The reactor terminals shall be clean and free from lacquer.
- 3.0 The inner terminal of the reactor shall be checked with a template to ensure that 10x80 mm bus bar can be connected to the inside terminal and that the holes are at proper place.
- 4.0 The inner and outer terminals shall be at right angles to each other.
- 5.0 The specification of banding material is:

RES-I-GLAS
Type no.: 8022-2F
Dimension: 25.4 x 0.275 mm
Supplier: P.P. Payne Limited
P.B. No.:26, Haydn Road,
Nottingham NG5 IDL
United Kingdom

- 6.0 The specification of inter turn insulation & VARNISH

4 layers of Impregnated fiberglass cloth
Class of insulations C
Cross Section: 5Mil x 68 MM2
VARNISH: CLEAR, CLASS OF INSULATION: C

- 7.0 The following information shall be marked by punching on each reactor starting from the point X in the drawing: 2-653-98-10014:

- (i) The supplier code followed by a four digit sequence number of the reactor
- (ii) Nominal value of the inductance in micro Henries (11.6 μ H)

REVISIONS:

APPROVED:
N.SRIDHARAN.

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- 7.1 The punching shall be done across the copper strip as shown in the drawing.
- 7.2 The supplier shall maintain a running serial number for the reactors supplied to ELECTRONICS DIVISION of BHEL.
- 8.0 Packing shall be such that there is no transit damage to the reactor terminals and the insulating material.
- 9.0 The delivery of reactors in each batch shall be in multiples of six.
- 10.0 The supplies of every batch of reactors shall be accompanied by test certificates containing the results of tests conducted as per ED7880295
- 10.1 The test results shall be furnished in the format given in annexure-I.
- 11.0 The supplier shall furnish test certificate for the copper used for each lot as per the requirements of Corporate Standard AA 12007.

NOTE: THE SUPPLIER CODE SHOULD BE FILLED IN AT THE TIME OF INDENTING IN POINT 7.0.

ANNEXURE-I

Format for presenting the test results:

Test Results for Decoupling Reactors as per CN 74830

Name of the supplier:

Date of conducting test:

Ambient temperature:

Details of test equipment used:

(Mention the equipments used for each test and the accuracies of measuring instruments)

Sequence numbers of reactors: From: To:

Table 1 (For the results of inductance measurement)
FREQUENCY:

Sequence No.	Percentage Impedance OF REACTOR UNDER TEST STANDARD
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-----		ED 788 00 93
BHEL	PLANT STANDARD	-----
A4 - 14	ELECTRONICS DIVISION	REV NO 01
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Table 2	(For temperature-rise and loss measurement)	

	Temperature-rise	
Sequence No.	(Deg. centigrade)	Loss (Watts)
